

# Sterling Fire



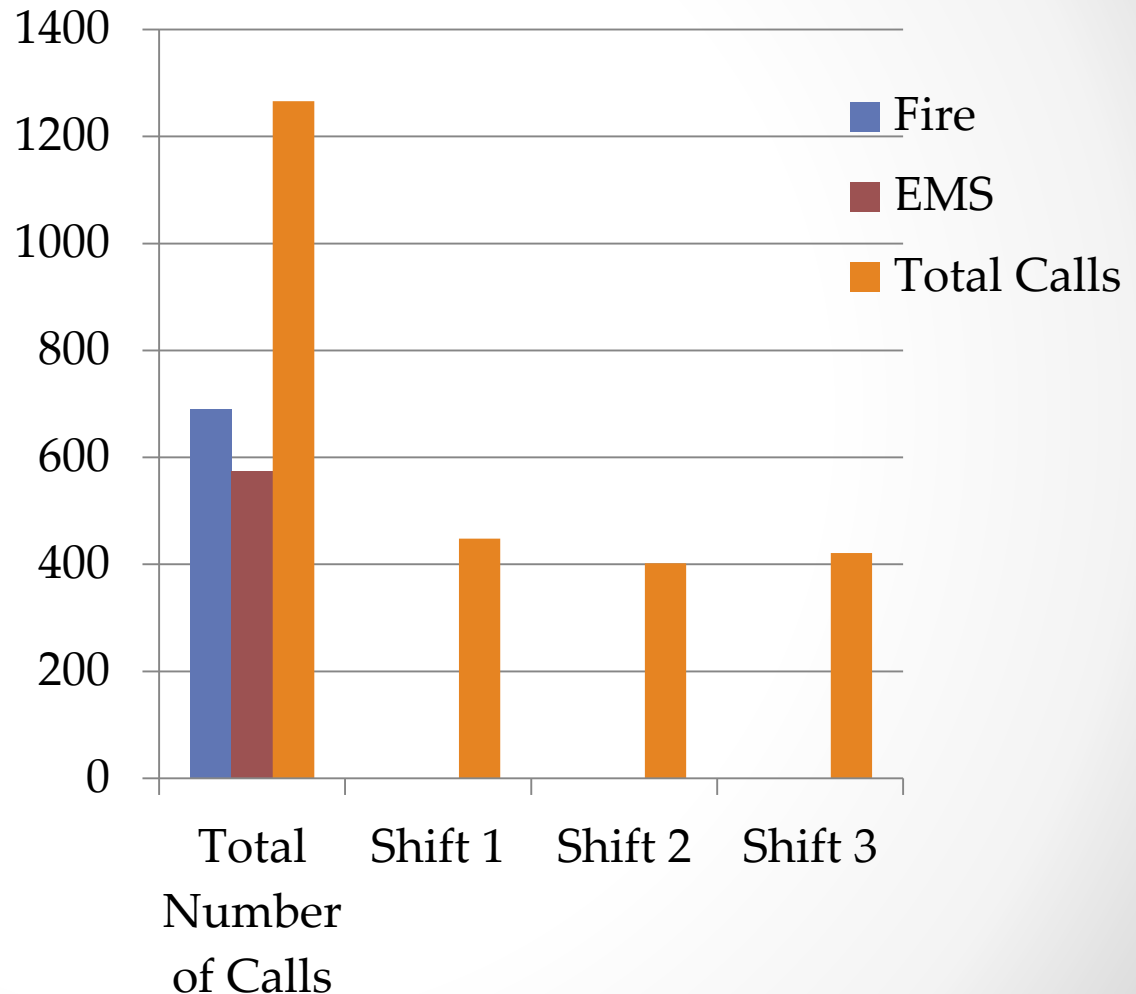
2015 Annual Run Summary and Report

# Sterling Fire Department 2015 Annual Report

- The following is the 2015 Sterling Fire Department Annual Report, it includes a brief synopsis of call activity starting January 1<sup>st</sup> 2015 to December 31<sup>st</sup> 2015.
- We are an All Hazards Department which responds to hazardous materials incidents, confined space rescues, high angle rescues as well as motor vehicle accidents with trapped occupants, we are not limited to fire and medical responses.

# General Information

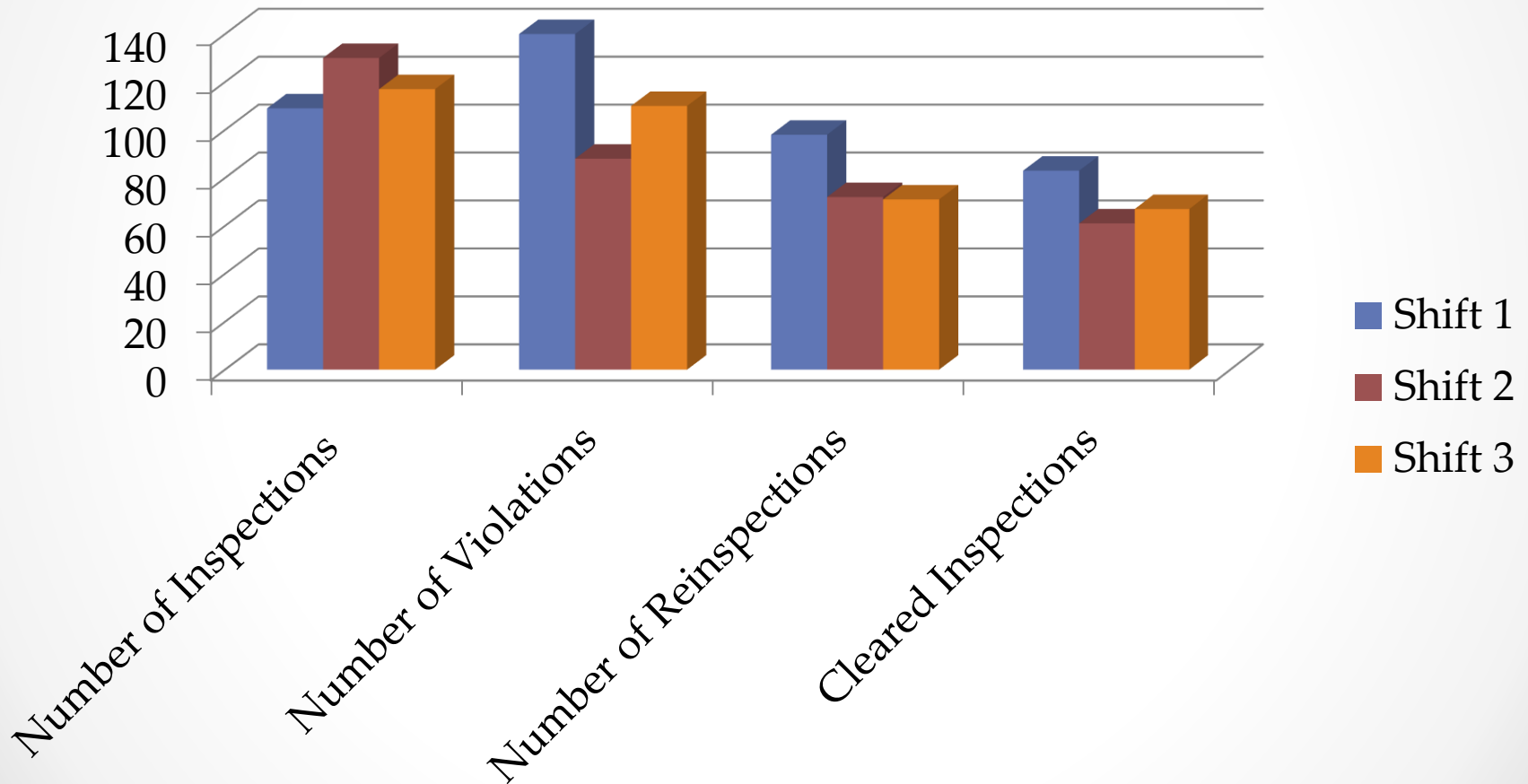
- The Sterling Fire Department responded to a total of 1,275 calls in 2015.
- Break down by shift:
  - Shift 1- 448
  - Shift 2- 402
  - Shift 3- 421
  - Day shift- 4



# Fire Prevention Activities

- Over the course of the year the Sterling Fire Department inspected 391 commercial businesses. During those inspections 368 fire code violations were found and corrected.
- Through the use of fire prevention measures we have reduced the risk of losing potential tax base and provided a safer environment for the citizens of Sterling.
- 5,099 man hours were spent conducting these commercial business inspections.

# Fire Inspections



# Fire Inspections

- The following is a break down by shift of inspection activity.

○ Shift 1	<u>2014</u>	<u>2015</u>
• Number of Inspections	93	109
• Number of Violations	90	140
• Number of Re-inspections	59	98
• Cleared Inspections	92	83
○ Shift 2		
• Number of Inspections	92	130
• Number of Violations	92	88
• Number of Re-inspections	60	72
• Cleared Inspections	90	61
○ Shift 3		
• Number of Inspections	95	117
• Number of Violations	91	110
• Number of Re-inspections	62	71
• Cleared Inspections	93	67

# Fire Prevention Activities

- Business owners that do not correct violations may be obligated to attend court and pay a fine. This has made a difference in getting violations corrected in a timely manner therefore providing a safer environment for the public and the employees.
- During the year we completed 7 new occupancy inspections and 6 change of occupancy inspections.
- All public and private schools were inspected as well as all churches.

# Fire Prevention Activities

- Education is the key to any Fire Prevention program, in addition to educating the business owners of Sterling we have continued with the kindergarten fire prevention classes.
- In 2015 we educated 283 Kindergarten age children in both the public and private schools of Sterling.
- We have also attended many street fairs, youth clubs, presented fire extinguisher classes to local businesses and nursing homes as well as the annual Bike Rodeo sponsored by the Sterling Police Department.



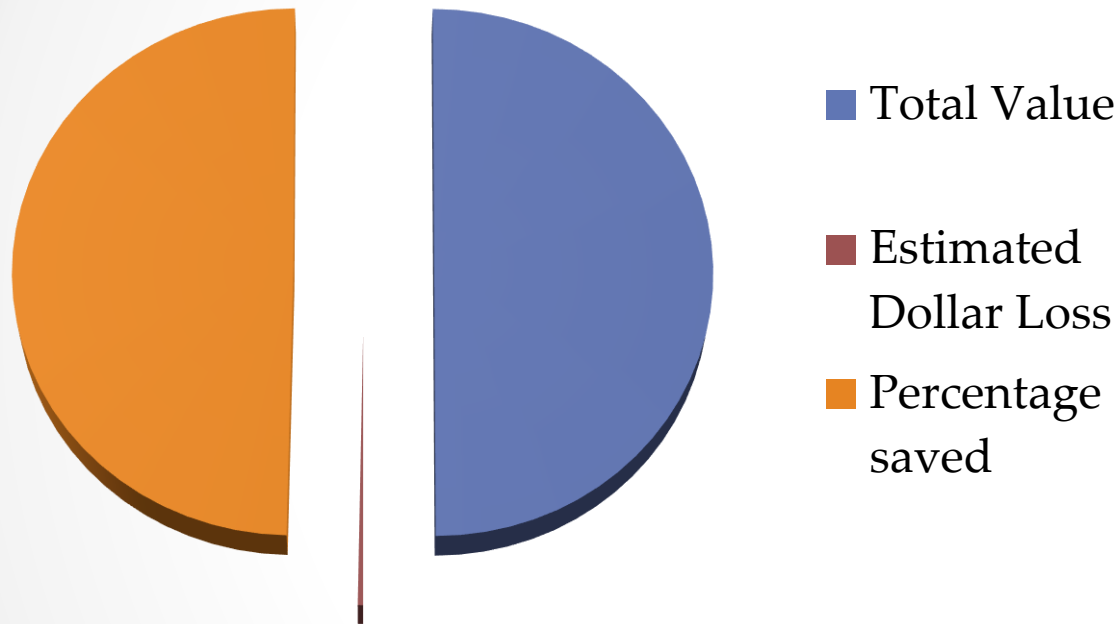
# Fire Prevention Activities

We held an open house during the annual Sites and Sounds Christmas walk, there were approximately 85 visitors.



Educating kindergarten children in fire safety.

# Sterling Fire Department 2015 Annual Report

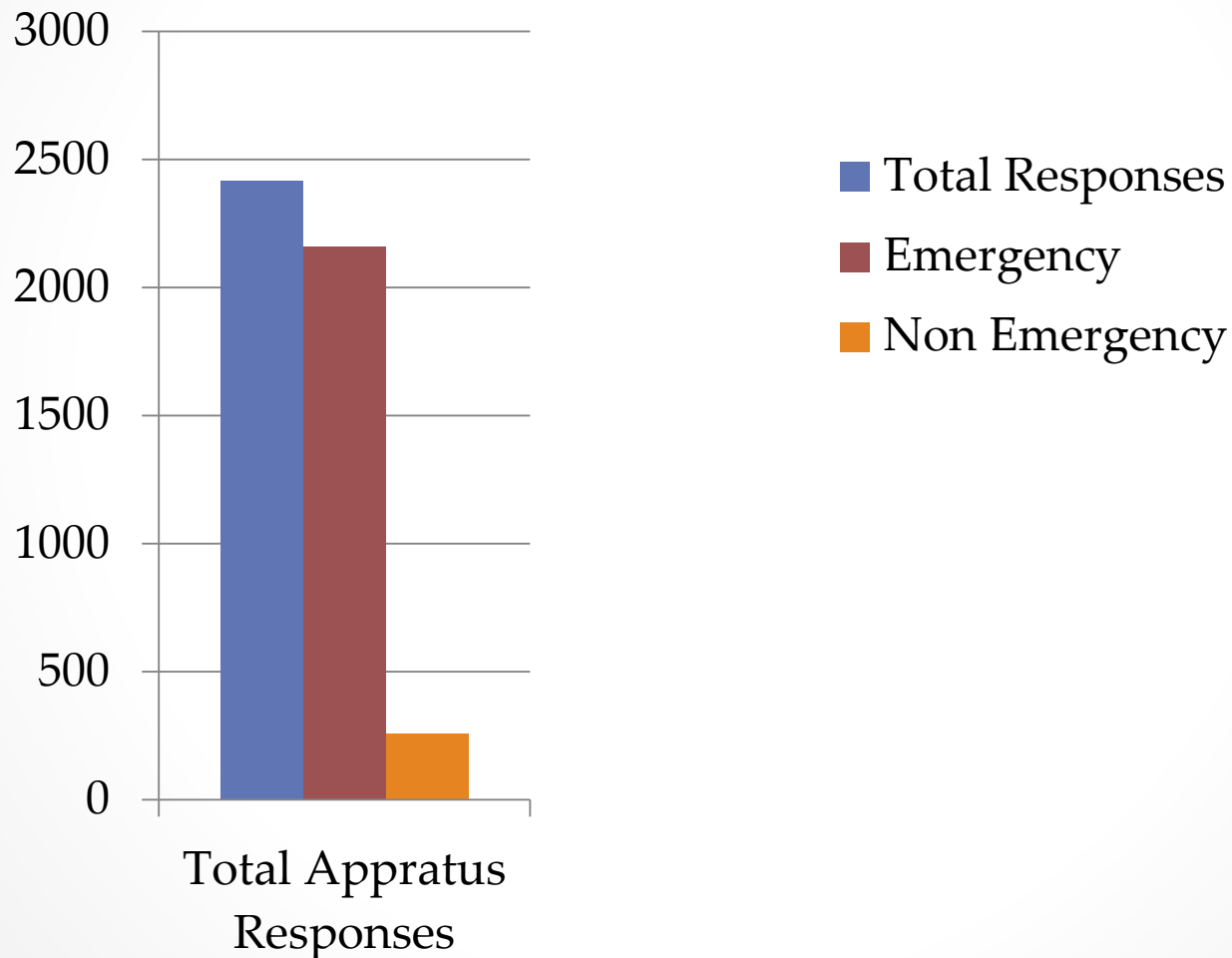


Estimated Value of all properties involved with a fire in 2015 was:

\$254,332,225

- Estimated Loss- \$1,502,682
- Estimated Saved- \$252,829,543
- Total Percentage Saved – 99.4%

# Total Apparatus Responses for 2015



# Total Apparatus Responses for 2015

- The Sterling Fire Department responded 1,017 emergency calls and 258 non emergency calls.
- The total number of responses was 2,158. This number reflects all apparatus responses. There were a number of incidents where more than 1 apparatus responded to a call. Automatic alarms, motor vehicle accidents and structure fires are some examples of calls that require a multi engine response.

# Turn Out and Response Times

- The turn out times reflects the amount of time it takes for the fire crew to get in the apparatus and go in service to dispatch from the time they were alerted to the call. Last year that number was 2:03 for emergencies and 1:55 for non emergencies. This year the average turnout time was 1:39 for emergencies and 1:44 for non emergencies.
- The response time is the amount of time it takes for the crew to leave the station to get on the scene. The average last year for emergencies was 5:26 and 5:56 for non emergencies. This year the average response time was 5:00 minutes for emergencies and 6:02 for non emergencies.
- This past year Twin Comm implemented a new pre-alert policy. This new policy is almost 30 seconds in response time to better serve the public.

*\* NFPA Benchmark is a 4 Minute response. NFPA is the industry standard and widely accepted across the United States.*

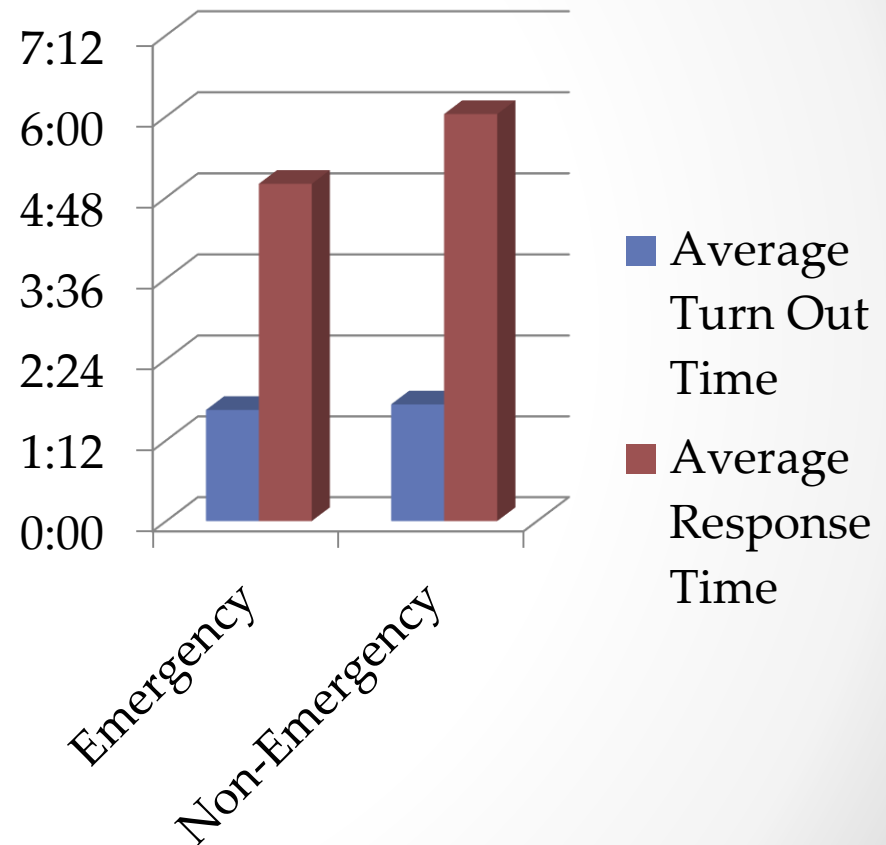
# Turn Out and Response Times

## Emergency

- Average Turn Out time- 1:39
- Average Response Time- 5:00
- Average Total Time on call- 28:49

## Non-Emergency

- Average Turn Out time- 1:44
- Average Response Time- 6:02
- Average Total Time on call- 18:00



# Turn Out and Response Times

- The total time is the average of all calls we have responded on, some calls naturally take much longer than others and are more involved. Total time for emergencies was 28:49 and 18:00 for non emergencies.
- Total Man hours for all incidents:
  - Fire Related- 1,573 hours
  - EMS Related- 820 hours

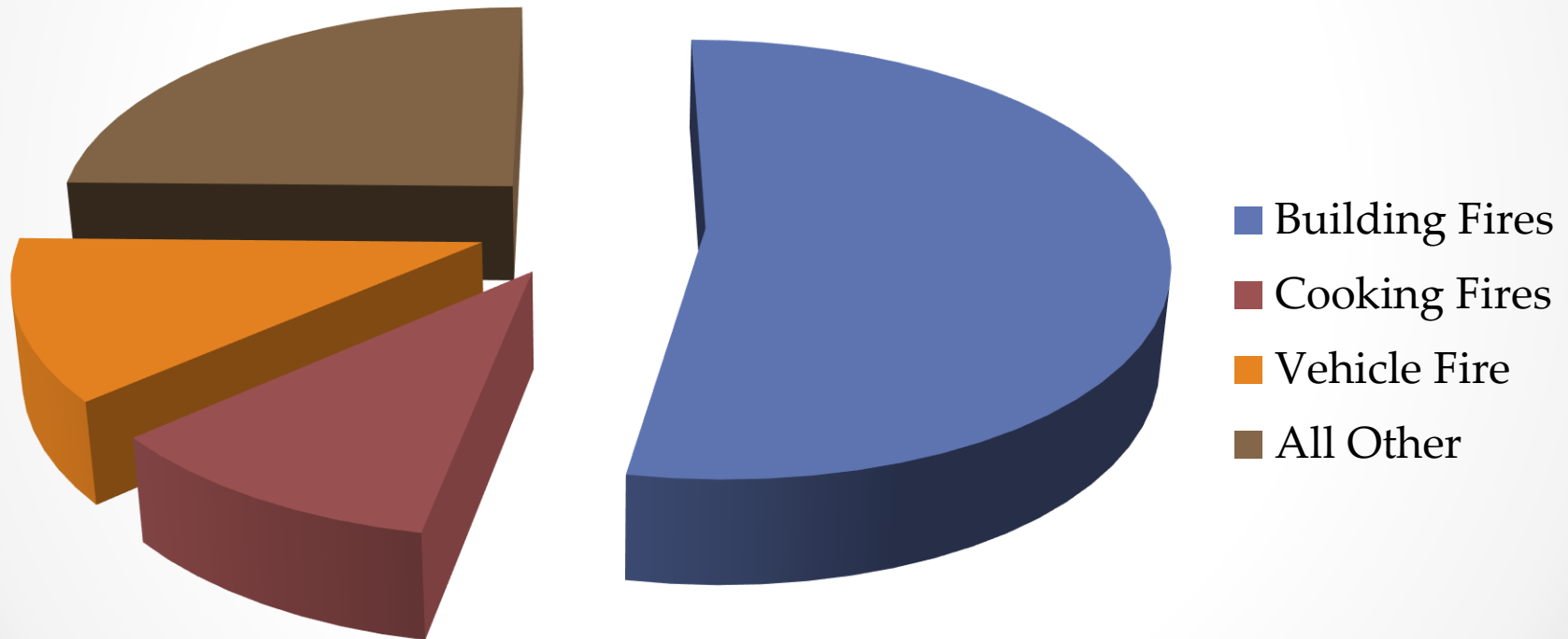
# Total Calls by Incident Type (Fires)

- This was one of the busiest years for fires at Sterling Fire Department. There were a total of 45 structure fires and 40 “other” types of fires which include but are not limited to:
  - Cooking fires contained to the container
  - Vehicle Fires
  - Brush fires
  - Dumpster fires
  - Grass fires



# Total Calls by Incident Type (Fires)

Fires

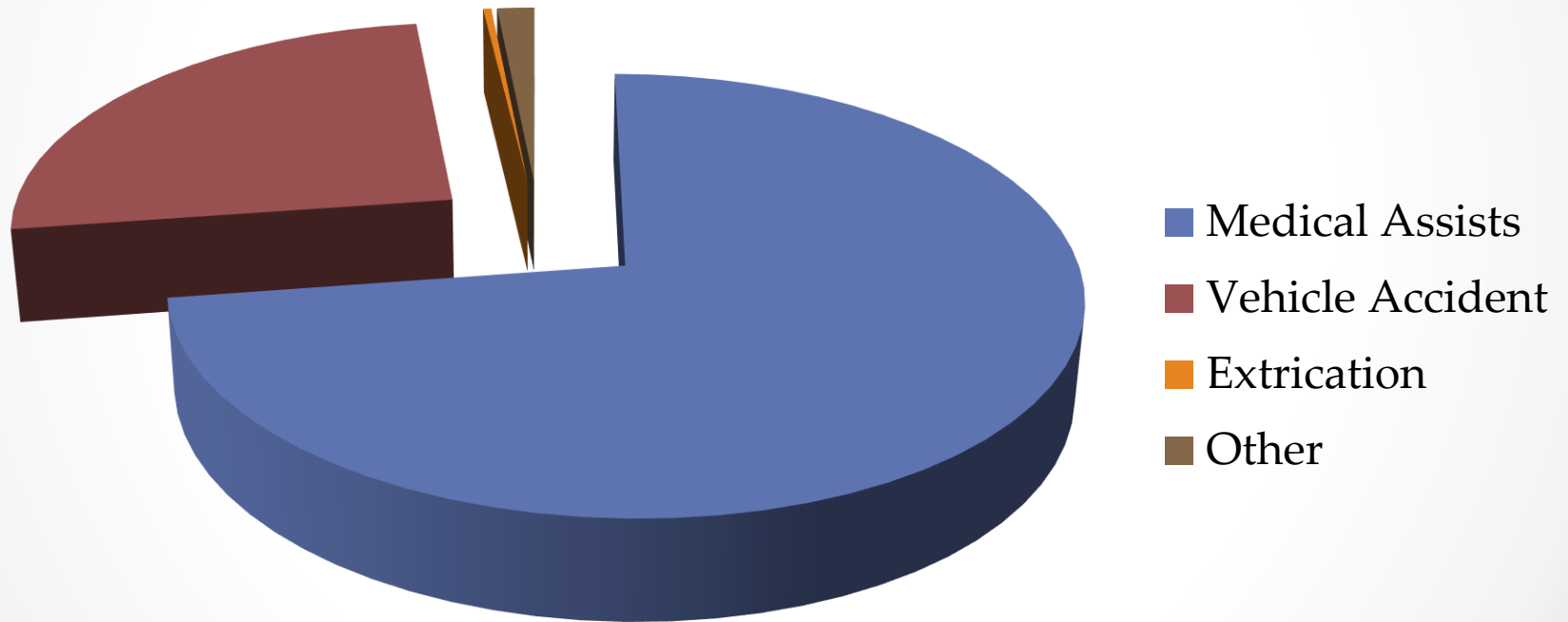


# Total Calls by Incident Type (EMS/Rescue)

- Not only does the Sterling Fire Department respond to fires we respond to a wide variety of emergency calls including motor vehicle accidents and Medical assists.
- In 2015 we responded to 575 calls for assistance. The following is a break down by type of incident:
  - Medical Assist- 418
  - Vehicle Accidents- 146
  - Vehicle Accidents with Extrication- 2
  - Other- 9 (water rescues, search and rescues)

# Total Calls by Incident Type (EMS/Rescue)

EMS/Rescue

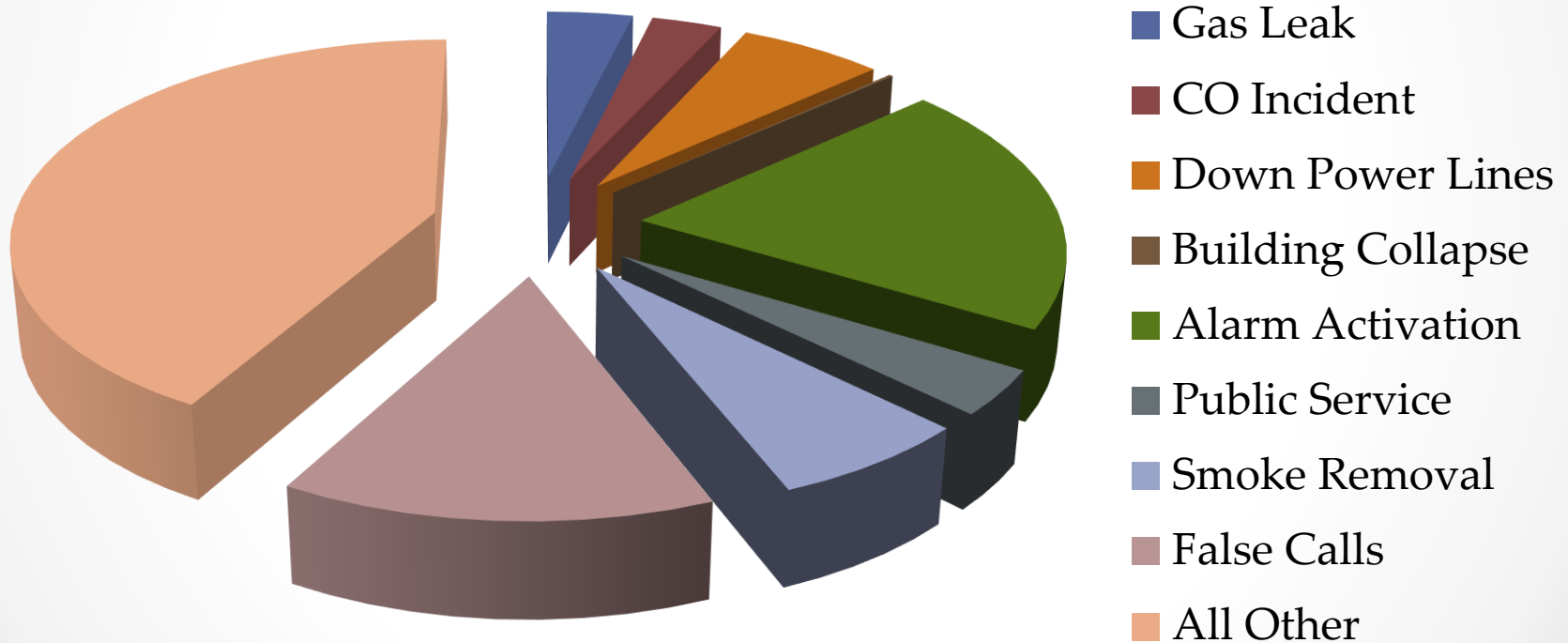


# Total Calls by Incident Type (All Other Calls)

- The Sterling Fire Department responded to 665 incidents where the public's need for service was not fire related.
  - Gas Leak (Natural and Gasoline)- 22
  - Carbon Monoxide Incident- 18
  - Down Power Lines- 37
  - Building Collapse- 1
  - Alarm Activation- 106
  - Public Service or Assist- 117
  - Smoke/ Odor Removal- 39
  - False Calls- 82
  - All Others not Classified- 243

# Total Calls by Incident Type (All Other Calls)

All Other Calls



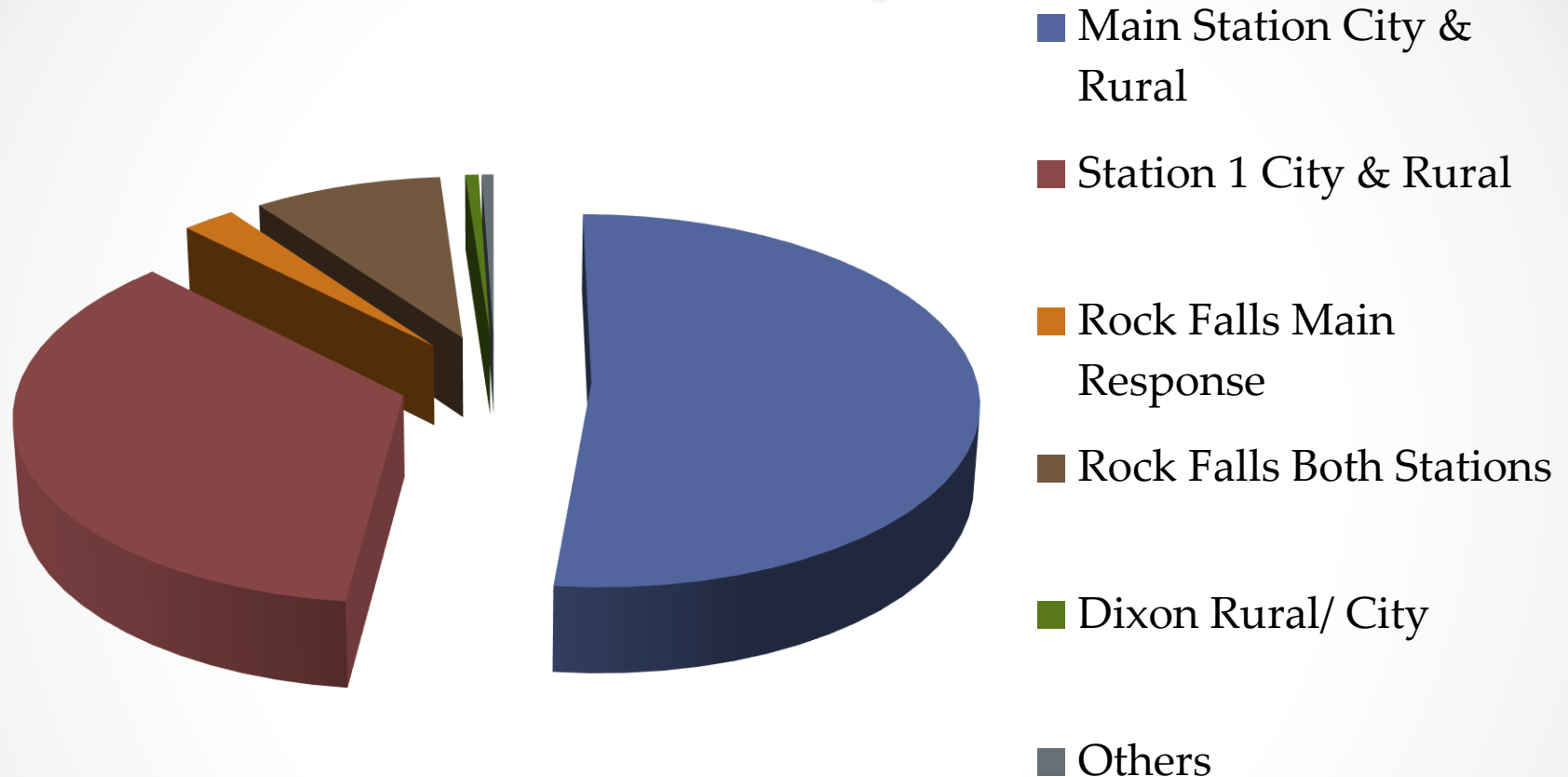
# Total Calls by District

- Sterling Fire Department will often times go outside the jurisdiction to assist other departments with fires or emergencies. Total Runs by district is as follows:
  - Sterling Main Station City & Rural -663
  - Sterling Station 1 City & Rural-457
  - Rock Falls / Main Station Response- 32\*
  - Rock Falls / Main and Station 1- 113\*
  - Dixon Rural & Dixon City- 6
  - Other- 4



\*Note the number of calls where Sterling Fire responded to Rock Falls for either Mutual aid or Automatic aid. Coverage of both cities by either department is a step to providing the citizens a better quality service.

# Total Calls by District



# Sterling Rural Fire Protection District

- For the Sterling Rural FPD we responded to 199 calls for assistance in 2015. These incidents varied from a simple citizen assist to working structure fires. The Sterling Fire Department Main Station responded to 111 of these calls while Station 1 responded to 88.





# Department Training

- In 2015 the Sterling Fire Department trained on various fire service and EMS topics, they included Pump Operations, Aerial Operations, Building Construction, Hazardous Materials, Ground Ladders, Ropes and Knots and many others. The following is a break down of Training hours for each department member. Many members chose to attend the Fire Officer Classes held at Sauk Valley Community College to further their education.

# Department Training

Deputy Chief Dettman	75 Hours
*Captain Williamson	298 Hours
*Lt. Billeb	148 Hours
*FF Mackey	239 Hours
*FF Heeren	202 Hours
*FF Vlakancic	230 Hours
*FF Rodgers (Probationary FF)	172 Hours
Captain Wheeler-	94 Hours
*Lt. Meyers-	266 Hours
*FF Ramos-	113 Hours
*FF M. Liedberg-	187 Hours
*FF Morris-	221 Hours
*FF Landis (Probationary FF)	209 Hours
*Captain Laughlin	126 Hours
*Lt. Wright	412 Hours
*FF Bianchi	78 Hours
*FF Avelar	108 Hours
*FF C. Liedberg	148 Hours
*FF Sheaves	120 Hours

\* Certified EMT/Basics

# Department Training

- Two firefighters were hired in 2015, the task of training these new firefighters took precedence.
- Both of the new firefighters were certified as Firefighter II and EMT. With the new firefighters already possessing the proper qualifications, the Sterling Fire Department was able to save both time and resources that would have otherwise been devoted to fire academy costs.

# Department Training

- Emergency medical training was held on a monthly basis with Rock Falls Fire Department. These classes are held both at Sterling Fire and Rock Falls Fire Departments and are required to maintain EMT basic licenses for the firefighters.
- Both Departments trained together over various fire related subjects as well, this ensures that everyone will be on the same page when it comes to an emergency.

# Various Incidents of 2015

House Fire  
4-18-15



# Various Incidents of 2015

**House Fire**

**4-18-15**



**Controlled House Burn**

**5/15/15**





# Various Incidents of 2015

**Kitchen Fire**  
**5-16-15**



**Cimco Recycling fire**  
**5-20-15**



# Various Incidents of 2015

**Northland Mall  
Structural Collapse  
6-23-15**



**Garage Fire  
7-5-15**





# Various Incidents of 2015

## Motor Vehicle Accident

St. Mary's School

7-12-15



## Structure Fire

8-7-15



# Various Incidents of 2015

**Elm Ave House Fire**  
**10-2-15**

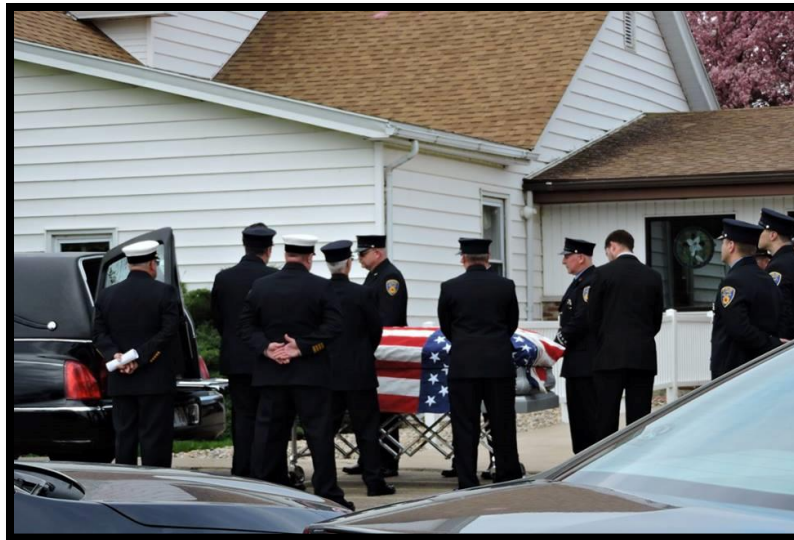


**Trailer Fire Rock Falls**  
**12-28-15**



# Summary

- In 2015 we did lose a long time member of the department, Russ Deets. Russ was a paid on call firefighter starting his service in 1972. Russ was an active member of the department at the time of his passing, and was our “House Mouse” meaning he was the guy who kept the coffee on and stood watch over the station during incidents.



# Summary

- 2015 brought challenges as it does with any organization. The Engine we purchased from Byron had some mechanical issues which had to be addressed, as did Engine 1. Both were repaired and business resumed as normal.
- The vigilance and dedication of all members of the department serves as a reminder that each of these individuals come together in that time of need and work together to serve the public they were sworn to protect.